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N' MEXICO OIL CONSERVATION COMM..SION
MULTIPOINT ..ND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

RECEIVED
JUL 07 '89
O. C. D.
ARTESIA, OFFICE

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 1/19/89	
Company: Yates Petroleum Corporation		Connection: Transwestern Pipeline Company			
Pool: Wildcat STRAWN		Formation: Strawn			Unit
Completion Date: 5.512/14/88	Total Depth: 9750.0'		Plug Back TD: 7280.0'	Elevation: 3562.0'	Farm or Lease Name: Moore FQ
Csg Size: 5.500" / Wt.: 14.000# / d: 5.012" / Set At: 9737.0'			Perforations: From 8276.0' To 8760.5'		Well No.: 1
Tbg Size: 2.375" / Wt.: 4.700# / d: 1.995" / Set At: 8202.0'			Perforations: From 0.0' To 0.0'		Unit: F / Sec: 19 / Twp: 20S / Rge: 25E
Type Well: Single			Packer Set At: 8202.0'		County: Eddy
Producing Thru: Tubing	Resv. Temp. °F: 206 @ 9100'	Mean Temp. °F: 62.0	Baro. Press. - Pa: 13.2 psia.		State: New Mexico

L	H	Gg	%CO2	%N2	%H2S	Prover	Meter Run	Taps
8202.0'	8202.0'	.592	.53	.93	0.00	0.000"	2.000"	Flange

FLOW DATA / TUBING DATA / CASING DATA

NO	Prover Size	X	Orifice Size	Press. psig	Diff. hw	Temp. °F	Tubing Press. psig	Tubing Temp. °F	Casing Press. psig	Casing Temp. °F	Duration of Flow
SI	0.000	X	0.000	0	0.0	47	2150	0	0	0	0 hrs.
1.	2.067	X	.250	210	8.8	46	1331	62	0	0	24 hrs.
2.	2.067	X	.250	220	9.0	48	1185	62	0	0	24 hrs.
3.	2.067	X	.250	220	11.7	47	1048	62	0	0	24 hrs.
4.	2.067	X	.250	220	14.0	47	825	62	0	0	24 hrs.
5.	0.000	X	0.000	0	0.0	0	0	0	0	0	0 hrs.

RATE OF FLOW CALCULATIONS

NO	Coefficient (24 HOUR)	$\sqrt{hwPm}$	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	.299	44.32	223.20	1.014	1.300	1.018	18
2.	.299	45.81	233.20	1.012	1.300	1.019	18
3.	.299	52.23	233.20	1.013	1.300	1.019	21
4.	.299	57.14	233.20	1.013	1.300	1.019	23
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z
1.	.33	506	1.45	.964
2.	.35	508	1.45	.963
3.	.35	507	1.45	.963
4.	.35	507	1.45	.963
5.	0.00	0	0.00	0.000

Gas Liquid Hydrocarbon Ratio	Dry Mcf/bbl.	
A.P.I. Gravity of Liquid Hydrocarbons	0.000 Deg.	
Specific Gravity Separator Gas	.592	xxxxxxxxxxxxx
Specific Gravity Flowing Fluid	xxxxx	.592
Critical Pressure	673.0 PSIA	673.0 PSIA
Critical Temperature	349.9°R	349.9°R

Pc 2163.2 Pc^2 4679.4

NO	Pt^2	Pw	Pw^2	Pc^2-Pw^2
1.	1806.9	1344.2	1806.9	2872.6
2.	1435.7	1198.2	1435.7	3243.8
3.	1126.1	1061.2	1126.2	3553.3
4.	702.6	838.2	702.6	3976.8
5.	0.0	0.0	0.0	0.0

(1) $\frac{Pc^2}{Pc^2-Pw^2} = 1.1755$ (2) $\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n = 1.1343$

$AOF = Q\left[\frac{Pc^2}{Pc^2-Pw^2}\right]^n =$ 26 Mcfd

Absolute Open Flow 26 Mcfd @ 15.025 | Angle of Slope, θ 38 | Slope, n .779

Remarks:

Approved By:	Conducted By: Ed Perry	Calculated By: Andrea Carpenter	Checked By: